

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 2, line 3 and ending on page 2, line 7 with the following amended paragraph:

In this conventional recording-medium cartridge, the magnetic tape is allowed to perform the recording, reproducing, and correction of data. Thus, the authenticity of data cannot be certified, ~~this is because the checking of whether data was falsified~~ as the determination of whether the data had been tampered with cannot be performed easily.

Please replace the paragraph beginning on page 2, line 12 and ending on page 2, line 15 with the following amended paragraph:

~~In the conventional recording-medium cartridge, additionally~~ Further, since the readout of data from the magnetic tape ~~is~~ can be easily performed in the conventional recording-medium cartridge, ~~if in the event that~~ the recording-medium cartridge is stolen, the ~~leakage possibility of~~ an unauthorized retrieval of stored information becomes presents a serious problem.

Please replace the paragraph beginning on page 2, line 16 and ending on page 2, line 21 with the following amended paragraph:

Therefore, the recording-medium cartridge, in which the authenticity of data recorded on the recording-medium (magnetic tape) is easily certified, and which can prevent the leakage unauthorized retrieval of data recorded on the recording-medium (magnetic tape) ~~even if in the event~~ the recording-medium cartridge is stolen, ~~has been~~ is required.

Please replace the paragraph beginning on page 2, line 24 and ending on page 3, line 7 with the following amended paragraph:

The present invention relates to a recording-medium cartridge which stores a recording-medium and a cartridge memory. In this recording-medium cartridge, the cartridge memory, which holds a unique cryptographic key ~~in the condition that the~~where a rewrite of the cryptographic key is forbidden, is detachably attached to the recording-medium cartridge. The recording-medium holds a cyclic redundancy check code (CRC-code) and data which are correlated with each other. Here, the CRC-code is generated based on the cryptographic key, and data is information to be recorded on the recording-medium.

Please replace the paragraph beginning on page 3, line 8 and ending on page 3, line 15 with the following amended paragraph:

In this recording-medium cartridge, since the cartridge memory is detachably attached to the recording-medium cartridge, the recording-medium cartridge and the cartridge memory can be stored in separate places. Thus, the ~~leakage-unauthorized retrieval~~ of the data stored in the recording-medium cartridge can be prevented ~~even if only~~when the recording-medium cartridge is stolen. ~~This is because~~Such is due to the fact that the reproducing of data cannot be performed without the cartridge memory.

Please replace the paragraph beginning on page 3, line 16 and ending on page 3, line 19 with the following amended paragraph:

In the recording-medium, a CRC-code, and data are stored. The CRC-code ~~which is~~ generated based on the cryptographic key and ~~the data that should be prevented from the falsification, is recorded in the condition that the CRC-code correlates with to the corresponding~~ data.

Please replace the paragraph beginning on page 3, line 20 and ending on page 4, line 3 with the following amended paragraph:

Thus, ~~the occurrence of the falsification~~ unauthorized retrieval of data recorded on the magnetic tape can be ~~recognized~~ detected even if ~~when~~ the cartridge memory having another cryptographic key is installed in the recording-medium cartridge ~~and the falsification of the data recorded on the recording-medium is performed.~~ This is because the CRC-code being recorded on the recording-medium ~~disagrees with~~ does not match the reference CRC-code generated from the data obtained from the recording-medium and the cryptographic key. ~~Thereby, the checking of the falsification can be preformed~~ Therefore, unauthorized retrieval and reproduction of stored data can be preempted by comparing the reference CRC-code with the CRC-code.

Please replace the paragraph beginning on page 5, line 15 and ending on page 5, line 19 with the following amended paragraph:

Thus, if ~~the falsification of data is caused~~ unauthorized retrieval or if the ~~reproducing~~ reproduction of data is ~~tried~~ attempted using the cartridge memory having a different

cryptographic key, the ~~reproducing-reproduction~~ of data ~~cannot be performed~~ is preempted. This is because the reference CRC-code ~~disagrees with~~ does not match that of the CRC-code.

Please replace the paragraph beginning on page 6, line 3 and ending on page 6, line 10 with the following amended paragraph:

In this apparatus, the CRC-code and the reference CRC-code are generated using the unique identification number in addition to data and the cryptographic key. Thus, the ~~reproducing and falsification~~ unauthorized retrieval and reproduction of data can be prevented even if the recording-medium cartridge and the corresponding cartridge memory are stolen. This is because the unique identification code is required for generating the CRC-code and the reference CRC-code.

Please replace the paragraph beginning on page 10, line 3 and ending on page 10, line 7 with the following amended paragraph:

When ~~performing a recording~~ reproducing data stored in the magnetic tape MT, the reproducer 33 obtains data D1 and CRC-code C1 from the magnetic tape MT, and outputs data D1 to the CRC-code generator 31 and the external computer 4, respectively. The reproducer 33 simultaneously outputs the CRC-code C1 to the CRC-code comparator 35.